

Resource Summary Report

Generated by [RRID](#) on Aug 19, 2026

pDONR223 SARS-CoV-2 NSP14

RRID:Addgene_141267

Type: Plasmid

Proper Citation

RRID:Addgene_141267

Plasmid Information

URL: <http://www.addgene.org/141267>

Proper Citation: RRID:Addgene_141267

Insert Name: NSP14

Organism: SARS-CoV-2 isolate Wuhan-Hu-1

Bacterial Resistance: Spectinomycin

Defining Citation: [PMID:32763951](#)

Vector Backbone Description: Backbone Marker:Rual et al, Genome Res. 14:2128-2135, 2004.; Backbone Size:5005; Vector Backbone:pDONR223; Vector Types:Gateway Cloning; Bacterial Resistance:Spectinomycin

Plasmid Name: pDONR223 SARS-CoV-2 NSP14

Relevant Mutation: Many synonymous changes due to codon optimization

Record Creation Time: 20220422T221814+0000

Record Last Update: 20260815T080647+0000

Ratings and Alerts

No rating or validation information has been found for pDONR223 SARS-CoV-2 NSP14.

No alerts have been found for pDONR223 SARS-CoV-2 NSP14.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Riccio AA, et al. (2022) Activation of the SARS-CoV-2 NSP14 3'-5' exoribonuclease by NSP10 and response to antiviral inhibitors. The Journal of biological chemistry, 298(1), 101518.

Li T, et al. (2021) SARS-CoV-2 Nsp14 activates NF- κ B signaling and induces IL-8 upregulation. bioRxiv : the preprint server for biology.

Banerjee AK, et al. (2020) SARS-CoV-2 Disrupts Splicing, Translation, and Protein Trafficking to Suppress Host Defenses. Cell, 183(5), 1325.